

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference  Dist Client PCT	<b>FOR FURTHER ACTION</b>  see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No.  PCT/GB2004/001685	International filing date (day/month/year)  19/04/2004	(Earliest) Priority Date (day/month/year)  17/04/2003
Applicant  VISTO CORPORATION		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☒ **Unity of invention is lacking** (see Box III).

**4. With regard to the title,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

**5. With regard to the abstract,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

**6. With regards to the drawings,**

a. the figure of the **drawings** to be published with the abstract is Figure No. 6

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/GB2004/001685

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-4,10,12-19,24,30,32-37

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-4, 10, 12-19, 24, 30, 32-37

the terminal-side component insulates a terminal program from being affected if the connection over the network is broken by also queuing messages in readiness for the connection to be re-established, enabling the terminal program to proceed to its next task

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2. claims: 5-9 and 11

data replication being achieved by sending events rather than a complete dataset (or sub-sets of a dataset) of stored data for synchronisation

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3. claims: 20-23

the terminal-side component monitors available memory on the terminal and automatically deletes data stored on the terminal that meets pre-defined criteria

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4. claim: 25

the terminal-side component enables a user to select a release option to delete a message stored on the terminal but not the corresponding message stored on the server

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5. claims: 26-29

correct routing of messages addressed to a terminal identified by an ID by mapping that ID to the actual IP address

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6. claim: 31

challenge to any third party suspected of attempting a denial of service attack on the terminal

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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/001685

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L29/08 H04L29/06 H04L12/58 G06F9/45

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/77815 A (TRANCEIVE TECHNOLOGIES INC) 18 October 2001 (2001-10-18)	1,2,10, 14-19, 30,32-37
Y	abstract; figures 1,5  page 1, line 15 - page 2, line 29 page 3, line 6 - line 34 page 5, line 28 - page 6, line 3 page 7, line 29 - page 8, line 7 page 8, line 31 - page 9, line 30 page 18, line 31 - line 34 page 19, line 21 - line 28 page 23, line 10 - line 19 ----- -/--	3,4,12, 13,24

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

31 August 2004

Date of mailing of the international search report

18. 11. 2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Figiel, B

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/001685

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 97/46939 A (NEW ERA OF NETWORKS INC) 11 December 1997 (1997-12-11) abstract page 3, line 4 - page 5, line 1 page 14, line 10 - line 15 page 15, line 6 - line 19 page 16, line 7 - page 17, line 9 page 32, line 15 - page 33, line 6 -----	3,4,12, 13
Y	GLOMOP GROUP: "GloMop: Global Mobile Computing By Proxy" GLOMOP, 13 September 1995 (1995-09-13), XP002094009 the whole document -----	24
X	WO 01/93033 A (TRANCEIVE TECHNOLOGIES INC) 6 December 2001 (2001-12-06) abstract page 1, line 21 - page 2, line 11 page 27, line 33 - page 28, line 24 page 32, line 14 - line 16 -----	1,34,36, 37

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/001685

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0177815	A	18-10-2001	US 6687735 B1	03-02-2004
			AU 4982201 A	23-10-2001
			WO 0177815 A2	18-10-2001
			US 2002032754 A1	14-03-2002
			AU 6503801 A	11-12-2001
			WO 0193033 A2	06-12-2001
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WO 9746939	A	11-12-1997	US 5916307 A	29-06-1999
			EP 0978034 A1	09-02-2000
			JP 2000511666 T	05-09-2000
			WO 9746939 A1	11-12-1997
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WO 0193033	A	06-12-2001	US 6687735 B1	03-02-2004
			AU 4982201 A	23-10-2001
			AU 6503801 A	11-12-2001
			WO 0177815 A2	18-10-2001
			WO 0193033 A2	06-12-2001
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